

HF Happenings 467

South African Radio League 1925 - 2010 Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union Region 1
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7 August - SARL HF Phone Contest

9 August - SARL YL SPrint

21 August - SARL Digital Contest

28 August - SARL HF CW Contest

Find the rules in the 2011 SARL Contest Manual

The 54th JOTA 2011

The 54th Jamboree on the Air will take place on 15 and 16 October 2011. This year's theme is **Peace, Environment and Natural Disasters**.

An exciting activity that focuses on the strength of Scouting: to act and support in unforeseen circumstances. Scouts are prepared.

How can the use of modern means of communication help save lives? How can each Scout prepare to intervene to save his or her fellow-man or woman during great natural or climatic disasters? During the earthquakes and Tsunamis that affected Thailand in December 2004, Haiti last year or more recently Japan, Scouts have shown that they know how to quickly and efficiently react. Scouts are often the key contact people for professionals that work in the field, thanks to their self-sacrifice and determination; they are often in the front line during disasters that affect their immediate environment.

To act accordingly to prepare youth to be confronted to difficult circumstances and reinforce the existing partnerships with National or International Humanitarian Organizations, the National Scout Organizations are invited to organize activities in partnership with locally active NGOs, which operate in these three areas (Peace, Environment and Natural Disasters).

This year's JOTA activity is enjoying the specialist support of the International Amateur Radio Union ([IARU](http://www.iaru.org)), material made available by the International Telecommunications Union ([ITU](http://www.itu.int)) and the UN Refugee Agency ([UNHCR](http://www.unhcr.org)), as well as support from various amateur radio emergency communications teams. Representatives of these organisations can be involved at the National and local group level.

Why are Scouts always there first when disaster strikes? There are Scout groups nearly everywhere, well organised, with good contacts in the local community. The Scouts are usually trained in basic first-aid medical techniques, orienteering and they have the material that is needed to set up a temporary shelter real quick: tents, cooking material, construction material, it is all there, waiting for the next troop camp, or, yes, it can be used in case of emergency. http://scout.org/en/information_events/events/jota/the_54th_jota_2011





SANAE Base on the Air

Pam, ZS6APT, and Jimmy, ZS6APS, report that Gerard de Jong, ZS6KX, is working at the SANAE IV Base since December 2010. He has been able to get the station going and is now active on 20 metres as ZS6KX/7. Check 14 175 - 14 190 kHz from 14:00 to 17:00 UTC. More information can be found at the WAP website www.waponline.it

Summits on the Air (SOTA)

Lucas, ZS6ACT, sent me an e-mail about Summits on the Air (SOTA) activation by members of the Secunda ARC.

Lucas says, "Depending on the weather, a few members of the Secunda Amateur Radio club will attempt to activate the following summits during the coming weekend.

Saturday 6 August - Twelve Apostles (SOTA KN-035) 2 913 metres and worth 8 points [S 29 35.238 E 29 18.609 - KG40pj] and Mohoeshoe's Finger (SOTA KN-032) 2 974 metres and worth 8 points [S 29 35.647 E 29 17.365 - KG40pj]

Sunday 7 August - Hodson's Peak North (SOTA KN-011) 3 251 metres and worth 10 points [S 29 37.428 E 29 17.546 - KG40pj]

Monday 8 August - Generalskop (SOTA FS-002) 2 731 metres and worth 8 points [S 28 33.101 E 28 37.790 - KG41hk]"

Please be on the lookout for Sid, ZS5AYC, Detlev, ZS6BAB, Christo, ZR6LJK, and Lucas, ZS6ACT, on 14,160 or 7,060 MHz (plus-minus 10 kHz).

To find out more about Summits on the Air or SOTA, visit <http://www.sota.org.uk/>. The South African SOTA web site is at <http://www.qsl.net/sotasa/> but I am not sure how up to date the information is.

If you are set up for RaDAR, then SOTA should be something you can put on your To Do list.

SARL 80 Metre Club Contest

The committee received 14 logs for the July leg of this contest, which was a phone contest. From the logs, it was determined that 224 QSOs were made by the 50 stations that participated. The station coverage is - Zambia = 1 station; ZS0 = 1 station; ZS1 = 2 stations; ZS3 = 3 stations; ZS4 = 7 stations; ZS5 = 9 stations and ZS6 = 27 stations. There were 48 Class A licence holders and 1 Class B licence holder participating.

The 14 logs come from ZS0 - 1 log; ZS3 - 1 log; ZS4 - 3 logs (two clubs) and ZS6 - 9 logs (one club).

1st West Rand ARC, 129 points - 9 logs

2nd Bloemfontein RAC, 39 points - 2 logs

3rd Sasolburg ARC and North Cape ARC - 26 points each from 1 log each

4th Antique Wireless Association, 4 points - 1 log

August

6 - European HF Championship

7 - SARL HF Phone Contest;

10-10 International Summer SSB Contest; Cars in the Park, Pretoria www.pomc.co.za

8 - School holiday

9 - National Women's Day;

SARL YL Sprint

12 to 19 - IARU Region 1

General Conference, Sun City

13 and 14 - WAE DX CW Contest

16 to 19 - GAREC 2011, Sun City

20 and 21 - IARU Administrative Council meeting, Sun City
20 and 21 - International Lighthouse and Lightship weekend; - SARTG WW RTTY Contest

21 - SARL Digital Contest

25 - 31 - Wild Flower Show, Clanwilliam
www.clanwilliam.info

28 - SARL HF CW Contest

27 and 28 - YO DX HF Contest





Only 1 log was received for the SARL 80 metre Club Contest held in May, this was a CW contest.

1st Northern Cape ARC, 3 points - 1 log

The overall results for the competition after four contests are:

1st West Rand ARC, 291 points - 20 logs

2nd Antique Wireless Association, 55 points - 6 logs

3rd Bloemfontein RAC, 39 points - 2 logs

4th Northern Cape ARC, 29 points - 2 logs

5th Sasolburg ARC, 26 points - 1 log

6th Port Elizabeth ARS, 17 points - 1 log

7th Sandton ARC, 9 points - 1 log

Rugby World Cup 2011

The Council of the New Zealand Amateur Radio Transmitters (NZART) has declared the Rugby World Cup being held in New Zealand to be a Special Event and is encouraging radio amateurs to use the "ZM" prefix during this event. The regulator, the Ministry of Economic Development's Radio Spectrum Management group has officially declared that, *"To Promote the Rugby World Cup, New Zealand Amateurs are encouraged to use the ZM call sign prefix during September and October 2011."*

A map of New Zealand has been placed on the NZART website with game locations linked to contact details of local branches; any planned special events, on air events, and local repeater frequencies.

Visit <http://www.nzart.org.nz/home/>

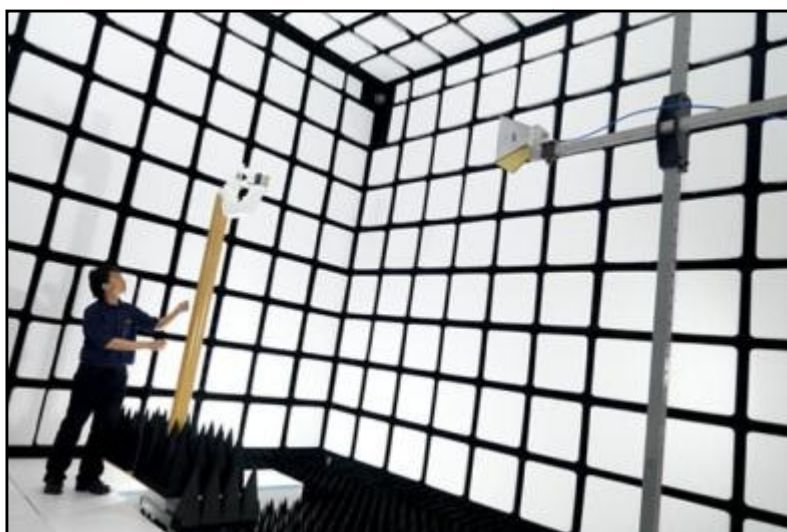
BAE Systems tests T-shirt antennas

By Olivia Solon, 01 August 11

BAE Systems has teamed up with the UK's National Physical Laboratory to measure the efficiency of radiation emitted from wearable antennas embedded into T-shirts.

Wearable antennas could be a useful way of building communications networks in war-zones or of monitoring and transmitting the health of the wearer. Given that they are worn on the body, it is particularly important to understand their performance. The human body absorbs electromagnetic signals so researchers were concerned that the signal could lose power if worn too close.

NPL created human dummies made out of a material designed to mimic human tissue to test the antennas. They placed these inside a range of different testing facilities, including a fully anechoic Small Antenna Radiated Testing (SMART) chamber and a ferrite-lined anechoic room, to monitor the 3D





and 2D radiation patterns emitted by the garment. They also got a human tester to move into different poses while they tested the signal being emitted from the shirt.

The research revealed that in order for the garment to work most efficiently, it needs to be positioned slightly away from the body, so would benefit from a less energy-absorbent under-layer.

BAE Systems has a long history of antenna research and development for many applications, including precision GPS ground reference antennas and satellite communications. It is currently working on a range of wearable antennas for military use, incorporated into t-shirts, jackets and helmets and is due to release more information and images of these systems in the next few weeks.

There is already a company in the US - Wearable Antenna Technologies - producing wearable antenna designed for military applications. The Tactical Antenna System is a concealable antenna that can be worn under clothing and over body armour. It can be bought online for \$585 (£357).

African DX

South Sudan Update. Here is the latest information regarding the South Sudan DXpedition from Paul, N6PSE, Dispatch Juba:

The STOR team continues to work through the pile-ups, now passing the 60 000 QSO mark. We are continuing to run five stations and we are trying to get QSOs into the hands of all who need them.

As is the custom and practice of the Intrepid-DX Group, we have invited local youth to visit our operation. Today, we arranged a visit of 25 boys from the Juba Secondary Boy's Academy. We gave the boys a tour of the STOR shack and explained to them the various aspects of amateur radio. We allowed them to listen as we made QSOs across the world. We have recorded this visit on the STOR photos page <http://www.dxfriends.com/SouthernSudan2011/photos.php>

We are just at the halfway mark of the DXpedition and we will continue to be active until 10 August 2011. Thank you, the STOR Team

Lesotho, 7P. Frans, ZS4FM, and Brendon, ZS4DEF, are active as 7P8FM and 7P8DEF, respectively, until 9 August. Activity is on 160 to 10 metres using only SSB from 05:00 to 08:00 UTC and then from 14:00 to 22:00 UTC. QSL to home calls.

Benin, TY. A group of operators will be active as TY1KS from 6 to 15 August. Activity will be on all HF bands, including 6 meters, using CW, SSB and RTTY with two stations active. QSL via IZ7KHR.

African Islands

Madeira, CT9, AF-014. John, CT9/IZ2DPX, will be active from Madeira (AF-014) on all HF bands and maybe also on 6 m from 7 to 21 August. QSLs via bureau to his home call, direct QSLs via IK2DUW. www.cq3l.de/viewpage.php?page_id=1 and <http://ik2duw.altervista.org>

Special Event Stations

Belgium. The UBA section RSX is planning a Belgian-French expedition from 8 - 14 August 2011 in the southern part of Belgium, next to the city Gedinne, on the summit called Croix-Scaille"





(505 m) . This expedition is in collaboration with the French radio club F5KFL from Neuville de Poitou. About 15 operators will be active on all HF bands (5 stations) on SSB and CW with the special call ON18CS. Each QSO will be confirmed with a special QSL via the bureau.

History This Week

A look back at events that made history this week - compiled by the Summerland Amateur Radio Club of Lismore, NSW and Dennis, ZS4BS. The week starting Monday 01 August 2011

1181 - Supernova observed by Chinese and Japanese astronomers
1375 - First roller skating rink opens in London
1492 - Christopher Columbus and about 50 people depart from Spain onboard the Santa Maria on the first of four voyages of discovery
1774 - Priestly discovers oxygen
1778 - The La Scala Opera house is opened in Milan after construction that started 2 years previously
1782 - The Grosvenor runs aground near the mouth of the Umzimvubu River. 136 of the 150 passengers and crew reaches the coast, but only 17 survive the journey along the coast to Cape Town
1865 - Alice's Adventures in Wonderland (later just Alice in Wonderland) by Lewis Carroll (pseudonym for Charles Lutwidge Dodgson) is published for the first time
1881 - The Convention of Pretoria is signed allowing the Zuid-Afrikaansche Republiek (ZAR) self rule after British annexation
1914 - German declares war against France in the First World War
1919 - First air flight over a major body of water in Australia by Harry Butler
1940 - Italy attacks East Africa during World War II
1945 - Atom Bomb dropped on Hiroshima, (6 August)
1956 - First motorcycle rode over 200 mph, record set by Wilhelm Herz - 210 mph or 338 kph
1959 - Explorer 6 transmits first TV photo of Earth from space
1977 - Radio Shack issues a press release introducing the TRS-80 computer - 25 existed, within weeks thousands were ordered

Operating Tip

Use a coaster when putting a cold 807 on your log sheets - and use a pencil since graph-ite does not run when wet.

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 1 to 9 August 2011.

QRP Fox Hunt

01:00 - 02:30 UTC 5 August

Mode: CW

Bands: m

Classes: Single Op - Fox or Hound

Max power: 5 watts

Exchange: RST and state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 02:30 UTC 6 August 2011

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

http://www.qrpfoxhunt.org/summer_rules.htm

NCCC Sprint Ladder





02:30 - 03:00 UTC 5 August

Mode: CW

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: NA station: 1 point per QSO;
non-NA station: 1 point per QSO with an NA
station

Multipliers: Each US state (including KL7 and
KH6) once per band; Each VE province once
per band; Each North American country (ex-
cept W/VE) once per band

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 7 August 2011

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

TARA Grid Dip Shindig

00:00 - 24:00 UTC 6 August

Mode: PSK, RTTY

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: High Power; Low Power; QRP; Rover;
SWL

Exchange: Name and 4-character grid square

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each grid square once per band

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 3 September 2011

E-mail logs to: (none)

Post log summary at:

http://www.n2ty.org/seasons/tara_grid_score.html

Mail logs to: (none)

Find rules at:

http://www.n2ty.org/seasons/tara_grid_rules.html

10-10 International Summer SSB Contest

00:01 UTC 6 August to 23:59 UTC 7 August

Mode: SSB

Bands: 10 m Only

Classes: Individual; Club; QRP

Max power: non-QRP: >5 watts; QRP: 5 watts

Exchange: Name and state, province or coun-
try and 10-10 number

QSO Points: 1 point per QSO with a non-
member; 2 points per QSO with a 10-10 mem-
ber

Multipliers: (none)

Score Calculation: Total score = total QSO
points

Submit logs by: 22 August 2011

E-mail logs to:

tentencontest@roadrunner.com

Mail logs to: Dan Morris, KZ3T, 131 Valencia
Lane, Statesville, NC 28625, USA

Find rules at:

http://www.ten-ten.org/Forms/QSOPartyRules_082710.pdf

European HF Championship

12:00 - 23:59 UTC 6 August

Mode: CW, SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: CW Only - high or low; SSB Only -
high or low; Mixed - high or low; SWL

Max power: HP: 1 500 watts; LP: 100 watts

Exchange: RS(T) and 2-digit year first li-
censed

Work stations: Once per band per mode

QSO Points: 1 point per QSO

Multipliers: Each 2-digit year licensed once
per band

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 31 August 2011

E-mail logs to: euahfc@hamradio.si

Mail logs to: Slovenia Contest Club, Saveljska
50, 1000 Ljubljana, Slovenia

Find rules at:

<http://lea.hamradio.si/~scc/eahf/eahfcrules.htm>

North American CW QSO Party

18:00 UTC 6 August to 06:00 UTC 7 August

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP or low; Multi-Two -
low





Max operating hours: Single Op: 10 hours;
Multi-Two: 12 hours
Max power: LP: 100 watts; QRP: 5 watts
Exchange: NA: Name and state, province or country; non-NA: Name
Work stations: Once per band
QSO Points: NA station: 1 point per QSO;
non-NA station: 1 point per QSO with an NA station
Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 20 August 2011
Upload log at:
<http://www.ncjweb.com/naqlogssubmit.php>
Mail logs to: Bruce Horn, WA7BNM, 4225 Farmdale Avenue, Studio City, CA 91604, USA
Find rules at:
<http://www.ncjweb.com/naqprules.php>

RSGB RoPoCo CW
07:00 - 08:30 UTC 7 August
Mode: CW
Bands: 80 m Only
Classes: (none)
Max power: 100 watts
Exchange: RST and previous postcode received

QSO Points: 10 points per QSO with UK station
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 23 August 2011
Upload log at:
<http://www.rsgbcc.org/cgi-bin/hfenter.pl>
Mail logs to: RSGB G3UFY, 77 Bensham Manor Road, Thornton Heath, Surrey CR7 7AF, England
Find rules at:
<http://www.rsgbcc.org/hf/rules/2011/rropoco.shtml>

SARL HF Phone Contest
13:00 - 16:30 UTC 7 August
Mode: SSB
Bands: 80, 40, 20 m
Classes: Single Op All Band; Single Op Single Band; Multi-Op All Band; Multi-Op Single Band; SWL
Exchange: RS and serial no
Score Calculation: (see rules)
Submit logs by: 14 August 2011
E-mail logs to: zs4bfm@netactive.co.za
Mail logs to: Bloemfontein RAC, Box 12104, Brandhof, 9324, South Africa
Find rules at:
http://www.sarl.org.za/public/contests/SARL_2011_Contest%20Manual_issue_9.pdf

Next Week's Contests

NAQCC Straight Key/Bug Sprint, 00:30 - 02:30 UTC 10 August
CWops Mini-CWT Test, 13:00 - 14:00 UTC, 19:00 - 20:00 UTC 10 August and 03:00 - 04:00 UTC 11 August
NAQCC-EU Monthly Sprint, 18:00 - 20:00 UTC 10 August
RSGB 80 m Club Sprint, CW, 19:00 - 20:30 UTC 10 August
QRP Fox Hunt, 01:00 - 02:30 UTC 12 August
NCCC Sprint Ladder, 02:30 - 03:00 UTC 12 August
WAE DX Contest, CW, 00:00 UTC 13 August to 23:59 UTC 14 August
Maryland-DC QSO Party, 16:00 UTC 13 August to 04:00 UTC 14 August and 16:00 - 24:00 UTC 14 August
SKCC Weekend Sprint, 00:00 - 24:00 UTC 14 August





DX Code of Conduct

I will listen, and listen, and then listen again before calling.
 I will only call if I can copy the DX station properly.
 I will not trust the DX cluster and will be sure of the DX station's call sign before calling.
 I will not interfere with the DX station or anyone calling and will never tune up on the DX frequency or in the QSX slot.
 I will wait for the DX station to end a contact before I call.
 I will always send my full call sign.
 I will call and then listen for a reasonable interval. I will not call continuously.
 I will not transmit when the DX operator calls another call sign, not mine.
 I will not transmit when the DX operator queries a call sign not like mine.
 I will not transmit when the DX station requests geographic areas other than mine.
 When the DX operator calls me, I will not repeat my call sign unless I think he has copied it incorrectly.
 I will be thankful if and when I do make a contact.
 I will respect my fellow radio amateurs and conduct myself so as to earn their respect.

<http://www.dx-code.org/publications.htm>

Items used with acknowledgement to The ARRL Letter, Amateur Radio Newsline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News, Southgate ARC and Pete's DX Newsdesk.

Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.

SA Radio League News Bulletins

SARL News

Time (UTC / CAT)	Freq (kHz)		Target Area	Language
06:15 / 08:15 *	7 066 / 7 098	From Pretoria	Southern Africa	Afrikaans
06:30 / 08:30 *	7 066 / 7 098	/ Port Elizabeth	Southern Africa	English

Various 2 metre and 70 cm repeaters and Echolink country wide

Amateur Radio Today

Time (UTC / CAT)	Freq (kHz)		Target Area	Language
08:00 - 09:00 /	7 082	From Durban	Southern Africa	English
10:00 - 11:00 *	Various 2 metre and 70 cm repeaters and Echolink country wide			

Amateur Radio Today shortwave broadcast information.

Time (UTC / CAT)	Freq (kHz)	Tx kW	Target Area	Language
08:00 - 09:00 /	7 205	100	Southern Africa	English
10:00 - 11:00 *	17 570	250	East Africa	English
16:30 - 17:30 /	3 230	100	Southern Africa	English
18:30 - 19:30 **				





* Sunday ** Monday

